

FCC ID: **AZ489FT7059**

Date: July 8, 2014

Office of Engineering and Technology  
Laboratory Division  
Equipment Authorization Branch  
Federal Communications Commission Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

**Subject:** Extended Frequencies Justification for Certification of Transmitter with FCC ID: **AZ489FT7059**

Dear Sir or Madam:

This transmitter was design to operate in the following frequency ranges:

To aid equipment authorization in other countries that accept the United States FCC Grant for Certification, Motorola (Motorola Solutions Inc) is requesting that the FCC list the above frequency/frequencies under FCC Rule Parts 90, 80, 74D, 27, 22 on the Grant. For the FCC's Rule Parts 90, 80, 74D, 27 and 22 applications, this radio is used in systems by Federal and Public Safety agencies including Police, Fire, and Emergency Medical Services, etc. as indicated in the table below. Equipment programming is the responsibility of Authorized Service Personnel. Also, the radio complies with 47 CFR Part 90.203(e), in that the operator cannot directly program the transmit frequencies using the normally accessible external controls. Per the FCC's KDB-634817 guidance, as an alternative to listing the exact frequencies, we acknowledge that it's a violation of the FCC Rules if this device operates on unauthorized frequencies.

| Frequency Range (MHz) | Part 90 | Part 80 | Part 74D | Part 22 | Part 27 | Federal | Emission Designator                              |
|-----------------------|---------|---------|----------|---------|---------|---------|--------------------------------------------------|
| 138-150.8*            |         |         |          |         |         | x       | 8K10F1D/F1E/F1W,<br>11K0F3E, 16K0F3E,<br>20K0F1E |
| 150.8-152.855         | x       |         |          | x       |         |         |                                                  |
| 152.855-156.2475      | x       | x       | x        |         |         |         |                                                  |
| 156.2475-157.1875     |         | x       |          |         |         |         |                                                  |
| 157.1875-157.45       | x       | x       |          |         |         |         |                                                  |
| 157.45-161.625        | x       | x       | x        | x       |         |         |                                                  |
| 161.625-161.775       |         |         | x        | x       |         |         |                                                  |
| 161.775-161.9625      | x       | x       |          |         |         |         |                                                  |
| 161.9625-162.0375     |         | x       |          |         |         |         |                                                  |
| 162.0375-173.4        | x       |         | x        |         |         |         |                                                  |
| 173.4-174*            |         |         |          |         |         |         |                                                  |
|                       |         |         |          |         |         |         |                                                  |
| 769-775               | x       |         |          |         |         |         |                                                  |
| 799-805               | x       |         |          |         |         |         |                                                  |
| 806-824               | x       |         |          |         |         |         |                                                  |
| 851-869               | x       |         |          |         |         |         |                                                  |
|                       |         |         |          |         |         |         |                                                  |
| 777-787               |         |         |          |         | x       |         | 4M51G7D, 4M50W7D,<br>8M97G7D, 9M00W7D            |
|                       |         |         |          |         |         |         |                                                  |
| 788-798               | x       |         |          |         |         |         | 4M54G7D, 4M53W7D,<br>8M94G7D, 8M95W7D            |

\*Canada

Please contact me if you require any additional information.

Sincerely,

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